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(19) (CA) **CANADIAN PATENT** (12)

(54) Disposable Film Plastic Paint Tray Liners

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## ABSTRACT

There is a finite need for a functional but inexpensive disposable paint tray liner today to cheaply avoid the time-consuming and messy task of cleaning out a paint tray. Our disposable film plastic paint tray liner fills this need. Presently, the only disposable paint tray liner on the market is made of rigid plastic and shaped in the form of an actual paint tray. The rigid plastic liner resembles a paint tray within a paint tray when in use and retails for approximately fifty cents. This is relatively expensive in comparison to our disposable liner. Our film plastic paint tray liner, in contrast, is not as bulky as the paint tray in which it is used and can be produced and retailed for a few cents. This lack of bulk also makes our liner very easily disposable.

Our liner also has an important feature that no rigid liner can match. When paint is being absorbed by the roller, our liner has a slight tendency to adhere to the roller. This slight adhesion by our liner causes the paint to be more evenly distributed along the roller. The result is a virtually no-drip roller with excellent paint distribution on the surface being painted (no streaking).

Our liner is also paint-saving in that the paint goes on the roller very evenly and consequently on the surface being painted very evenly with no excess of paint.

Our liner is also size-adaptive. Even though paint tray manufacturers differ marginally in the size dimensions of their small trays (up to  $\frac{1}{2}$  inch in length and width), our small tray liner would fit all makes of small trays simply by letting the adhesive strips stick higher or lower onto the paint tray as required for a proper fit. The overlap and flexibility of our liner enables this possibility. The rigid liners only fit the paint trays for which they are specifically manufactured.

We regard the feature described in the second paragraph as the paint helping quality of our liner.

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Our invention is a disposable film plastic paint tray liner. Film plastic is a plastic which is less than 0.010 inch thickness. Our liner will preferably be made of the same material that is used in the manufacturing of trash or garbage bags, another use of film plastic. Our liner will cover the entire interior of the paint tray with a slight overlap around the top edges. It will be secured to the tray with peel-off adhesive stickers; the same kind used commercially in the manufacturing of disposable diapers. The places in which the stickers will adhere to the tray for ease of installation as well as for security, will be the two inside bottom corners in the deep end of the tray and the upper exterior walls of the tray. The stickers will be bonded to the liner material. Our disposable film plastic paint tray liner will negate time-consuming paint tray cleaning. It will also eliminate the mess. It will also, because the liner has a slight tendency to adhere to the roller, put the paint on the roller very evenly. Our liner, due to the flexibility and overlap of the liner material, will also fit other trays that vary marginally in their dimensions (up to  $\frac{1}{2}$  inch variance in tray width and length can be accommodated by our liner). As well as being paint helping and size adaptive, our liner will also be form fitting.



Paint come in various sizes.

The Drawing represents a view of an embodiment of this invention.

We have used a small tray with a width of  $8 \frac{1}{2}$  inches and a length of  $12 \frac{3}{8}$  inches to demonstrate our disposable film plastic paint tray liner model. The depth of the tray at the deeper end is  $1 \frac{7}{8}$  inches and grades upward to a depth of  $\frac{5}{8}$  inch at the shallow end. The lip or top surrounding edge of the tray is  $\frac{1}{4}$  inch wide. Our disposable film plastic paint tray liner model, which covers the entire inside of the tray, overlaps  $\frac{7}{8}$  inch from the inside dimensions of the top surrounding edges of the paint tray used. This  $\frac{7}{8}$  inch measurement for overlap includes  $\frac{1}{4}$  inch for the top edge of the tray and leaves  $\frac{5}{8}$  inch over the top edges to be secured to the outside walls of the paint tray. Two circular peel-off sticker tabs having a diameter of  $\frac{1}{2}$  inch will be bonded to the liner bottom. These two tabs are located on the liner bottom and will align with the two corners in the bottom of the tray's deeper end. When these securing tabs are stuck in their respective corners, installation of the remainder of the liner will be easy. There are two more rectangular peel-off stickers for adhesion to the underside longer edges of the liner. These stickers are 8 inches long and  $\frac{1}{2}$  inch wide and will be centered along the underside edge of the liner overlap on each of the tray's longer exterior sides. Similar stickers are used to secure the liner to the two shorter exterior ends of the tray. These stickers are 6 inches long and  $\frac{1}{2}$  inch wide. They also are centered and bonded along the underside edge of the liner overlap at each of the tray's shorter exterior ends. The film plastic we used to make our model was garbage bag material. We simulated the bonded peel-off stickers using two-way stick tape on our model.

## CLAIMS

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A form fitting, size adaptive, paint helping disposable liner for paint trays comprising a film plastic having peel-off adhesive stickers bonded to the liner, adapted to secure said liner to said tray.
2. The liner of claim 1 wherein said liner is substantially of the thickness of a garbage bag.

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DISPOSABLE FILM PLASTIC PAINT TRAY LINER MODEL

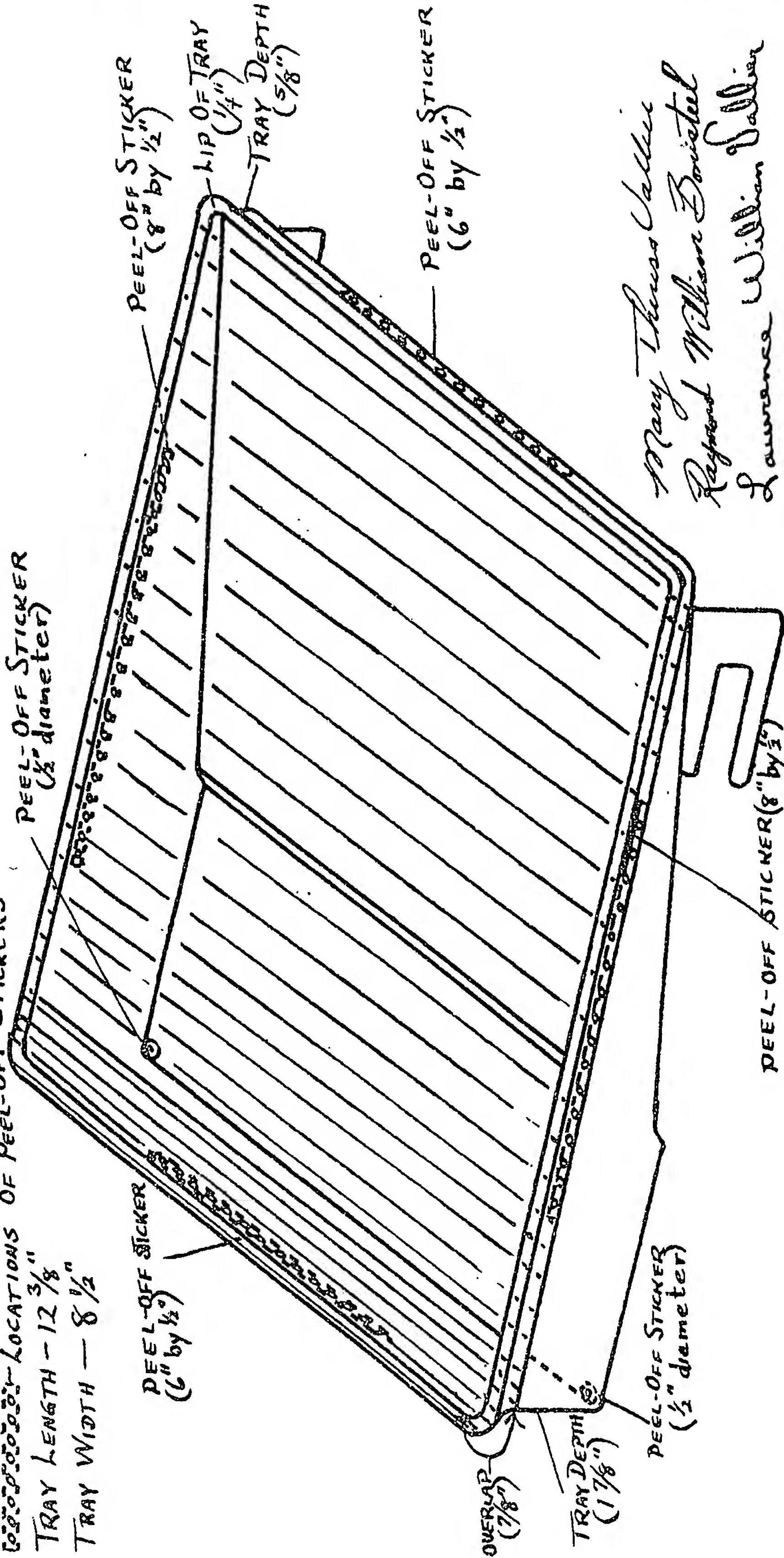
AREA COVERED BY LINER

LOCATIONS OF PEEL-OFF STICKERS

PEEL-OFF STICKER  
( $\frac{1}{2}$ " diameter)

TRAY LENGTH -  $12\frac{3}{8}$ "

TRAY WIDTH -  $8\frac{1}{2}$ "



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